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EDUCATION:

Bachelor of Science -- Civil & Environmental Engineering, Clarkson College, 1978

Licensed Professional Engineer -- New York License No. 60821, Vermont License No. 5071

EXPERIENCE:

Dispute Review Board Member

January 2022 to Present (Part-Time)

Bay Park Conveyance Project, Nassau County, NY

Member of the DRB for the Bay Park Conveyance Project on Long Island, NY. This \$439M Design-Build Project is a partnership between the NYS Dept. of Environmental Conservation and the Nassau County Dept. of Public Works. The finished project will convey some 50 MGD of nitrogen rich treated water about 11.5 miles from the Bay Park Sewage Treatment Plant to the Cedar Creek Water Pollution Control Plant's existing ocean outfall pipe 3 miles offshore, instead of discharging it into the Western Bays. The goal is to improve the water quality, marsh ecosystem and storm resiliency in the Western Bays. The work includes two 6 foot diameter microtunneling segments – one 2 mile segment and one 1.6 mile segment, sliplining 8 miles of an abandoned 6 foot diameter buried steel aqueduct, and the construction of several large pumping stations. The DRB meets onsite on a quarterly basis, and the project is expected to be completed in 2024.

Construction Project Manager

February 2018 to Present (Part-Time)

Ravi Engineering & Land Surveying, Albany Office, 15 Glenridge Road, Glenville, NY 12302

Responsible for the oversight and management of construction inspection staff on multiple ongoing construction inspection projects in central and eastern New York. Visit project sites to provide support and guidance to staff and to assure compliance with policies and specifications. Clients include NYS Department of Transportation, NYS Thruway Authority, NYS Power Authority/NYS Canal Corporation, and the NYS Olympic Regional Development Authority. Also provided direct oversight, support and advice for E&SC problems on the ORDA Mt. Van Hoevenberg rehabilitation project. Completed a management assessment of the practices and procedures used by the Canal Corporation's Eastern Division during the winter pump-out lock maintenance and rehabilitation season, and authored a major report documenting the observations and the findings of best practices and opportunities for the improvement of the rehabilitation work activities. Currently serving as a member of the ACEC-NYS DOT Committee, and as the Chair of the DWMBE Subcommittee and Chair of the Safety/Construction Inspection Subcommittee. Also serving as a member of the ACEC NY Safety Committee tasked with developing guidelines for engineering firms to follow for operations during the COVID-19 Pandemic period.

Project Manager

November 2015 to January 2018

Resident Engineer, Ravi Engineering & Land Surveying, 15 Glenridge Road, Glenville, NY 12302

Served as the Resident Engineer on the \$32.5 million Rexford Bridge Design-Build Project to replace the bridge over the Mohawk River and reconstruct a portion of Route 146. The D-B Resident Engineer is responsible for the oversight of the construction activities, quality assurance, inspection and contract administration. The new bridge is 5 lanes wide, 770 feet long with 3 piers in the river. The project also included the construction of a 2-lane Roundabout, and the widening and reconstruction of ¾ mile of roadway while maintaining traffic flow. The project began in late 2015 and will be completed in late 2017. Also served as a Project Manager responsible for the oversight and management of construction inspection staff on multiple Design-Bid-Build and Design-Build construction projects for various clients and owners in eastern NY.

Manager of Construction Engineering Services March 2013 to July 2015

Principal Engineer 6, CHA, III Winners Circle, Albany, NY 12205

Principal in charge of the Construction Engineering Services technical group, responsible for the construction inspection, construction management and contract administration activities and staff across all markets and offices for CHA, both nationally and internationally. CHA is a full service engineering and construction management firm with over 40 offices, providing services to federal, military, state, county and local governments and agencies, as well as to private clients and contractors. Projects included highway, bridge, aviation, rail, building, sports and recreation, utility, dam, landfill, subdivision development, communication, water, and wastewater work in multiple states as well as overseas.

Regional Construction Engineer

April 2009 to February 2013

Civil Engineer 5, NYSDOT Region 1, 50 Wolf Road, Albany, NY 12232

Responsible for the oversight and administration of the Regional construction program, with up to 45 ongoing highway and bridge projects with a combined value of over \$350 million, as well as several emergency response contracts. The Regional Construction group incorporated over 90 permanent and 25 seasonal staff, including the Regional Materials Group, supplemented by additional consultant inspection staff as needed. Specific responsibilities include: allocation of resources and staff; assure contract compliance; oversight of the materials QA program; oversight of the Region's construction safety program; resolution of contract disputes; and, serving as a liaison with the local construction industry.

Assistant Director of Construction**April 1998 to April 2009*****Civil Engineer 5, NYSDOT Office of Construction, 50 Wolf Road, Albany, NY 12232***

The Office of Construction is responsible for the oversight and management of the NYSDOT's statewide construction program, with typical annual lettings of \$1.75 billion. Responsible for managing several groups, including the Contract Administration Group; the General Engineering Support Group, which included the General Engineering, Health and Safety, and Civil Rights Units; Regional Liaison/Quality Assurance Unit; Contract Letting Unit; Disputed Work Unit; the Automation Unit; and, the Lower Manhattan Development/Route 9A Section. Interacted closely with all eleven Regions, the FHWA, the NYSDOL, the NYSOSC, and the NYSDEC. Chaired administrative dispute resolution meetings with contractors in an attempt to resolve contract disputes prior to contract closeout and potential claims litigation. Led efforts to revise the General Provisions of the Standard Specifications, including introducing new provisions for alternative dispute resolution including Dispute Review Boards, time related dispute compensation and innovative contracting practices. Served as DOT's primary contact with the NYS AGC, including as DOT's lead for the Annual AGC-DOT Conference, Executive Level Partnering and Section 100 Committees, and on the Specification and Safety Committees.

Downstate Liaison/Quality Assurance Engineer August 1991 to April 1998***Civil Engineer 3, NYSDOT Construction Division, State Campus, Albany, NY 12232***

Liaison/Quality Assurance Engineer representing the Construction Division in Region 8 (Lower Hudson Valley), Region 10 (Long Island) and Region 11 (New York City), the large downstate Regions. Primary function was to act as the liaison between the Division and the Regional Construction Groups, providing coordination and assistance on management, technical, contractual, disputed work and legal issues. Required extensive travel to the Regions to discuss program issues and to visit project sites to assure compliance with policies, procedures and specifications. Also responsible for monitoring the Federally-aided New York City-let road and bridge construction programs, including the East River Bridges. I was responsible for developing and implementing a new statewide Partnering program with the construction industry.

Manager of the Disputed Work Group**October 1989 to August 1991*****Civil Engineer 3, NYSDOT Construction Division, State Campus, Albany, NY 12232***

Manager of the Department's statewide disputed work program, charged with coordinating the investigation, review, and response to contractor's claims of disputed work. Responsibilities included: communicating with contractors and their attorneys, the Regions, and Main Office technical groups regarding issues of disputed work and delay; reviewing responses to contractor's disputed work letters drafted by staff engineers; and, arranging and conducting administrative settlement meetings with contractors in an attempt to resolve disputes prior to contract closeout and ensuing litigation. Worked to improve and revise Specifications pertaining to disputed work, recordkeeping and delay documentation.

Disputed Work Engineer**July 1984 to October 1989*****Civil Engineer 2, NYSDOT Construction Division, State Campus, Albany, NY 12232***

Responsible for preparing the Chief Engineer's reply to contractor's disputed work letters, which required the review of the contract, plans, specifications, legal issues and pertinent project records to assess the validity of the Contractor's contentions. Participated in contract settlement meetings attempting to resolve contractor's disputes prior to litigation.

Research Engineer**January 1979 to July 1984*****Civil Engineer 2, NYSDOT Engineering R&D Bureau, State Campus, Albany, NY 12232 -- April 1984 to July 1984******Civil Engineer 1, NYSDOT Engineering R&D Bureau, State Campus, Albany, NY 12232 -- Feb. 1980 to April 1984******Junior Engineer, NYSDOT Engineering R&D Bureau, State Campus, Albany, NY 12232 -- Jan. 1979 to Feb. 1980***

Worked in the Engineering Research & Development Bureau's Materials Section as a principal investigator on research projects concerning: bridge deck deterioration, steel reinforcement corrosion and repair; concrete pavement performance; asphalt concrete performance; and, pavement texturing and friction. Managed the Bureau's Asphalt Laboratory and staff.

Draftsman**September 1978 to January 1979*****Warren County Real Property Office, Municipal Center, Lake George, NY 12845***

Updated and revised the County Tax Maps, requiring the review of real estate records, researching of deeds and titles, review of surveys and subdivision maps and plans, and the amendment of tax maps and other real estate records.

Engineering Aid**Summers 1973 to 1977*****City of Glens Falls Engineer's Office, City Hall, Glens Falls, NY 12801***

Completed surveying, drafting, design and construction inspection tasks on various municipal reconstruction or improvement projects, including streets, water mains, storm and sanitary sewers, buildings, parks and athletic facilities.

NYSDOT SPECIAL ASSIGNMENTS:**Patroon Island Bridge Rehabilitation****February 2012 to February 2013**

Project Director for the \$145 million project to rehabilitate the 6-lane, 1795 foot long I-90 Patroon Island Bridge over the Hudson River and the adjoining multi-level I-90/I-787 "stack" interchange. Responsible for the oversight and coordination of the accelerated design of this signature project, which includes substructure and column repairs and replacements, structural steel repairs, bearing replacements, bridge deck replacement using pre-cast panels, and steel painting.

Tappan Zee Bridge Review Team**July 2011 to November 2011**

Appointed to a six-person multi-agency team tasked with providing Governor Cuomo's office with an independent review of the proposed alternatives and costs for the replacement of the Tappan Zee Bridge. Also served on a committee that assessed the construction and procurement risks and opportunities for the \$4B Tappan Zee Bridge replacement project.

9/11 - WTC Emergency Response**September 2001 to November 2001**

Assigned full-time to the State Emergency Management Office (SEMO) in Albany starting the afternoon of September 11, 2001. Represented and coordinated NYSDOT activities for a variety of SEMO emergency response, recovery and support efforts with other State agencies and FEMA. Made numerous visits to various City, State and Federal emergency management offices in NYC and to Ground Zero to facilitate and support the Department's emergency response efforts.

Governor's Task Force for Recovery Operations 1998 Ice Storm

Designated as the NYSDOT's lead representative on a multi-agency panel to develop a strategic plan for the recovery of the North Country area of New York from the severe problems, impacts and damage caused by this record ice storm.

Special Deputy to the Commissioner**July 1997 to November 1997**

Commissioner's representative at the troubled and delayed FDR Drive - Avenue "C" Viaduct reconstruction project in Manhattan. This long-term \$45M elevated viaduct reconstruction project had caused major traffic impacts and delays for the traveling public, had received significant negative press coverage, and was a politically sensitive issue in NYC. Assigned to provide day-to-day oversight of the project, resolve problems and disputes, improve project communication and coordination, accelerate the work schedule, and to facilitate and assure the completion of the work by the end of calendar year 1997. The viaduct was completed and opened to traffic two weeks in advance of Thanksgiving 1997.

AWARDS & RECOGNITIONS:

- **2013 NYSATE Section 1 Transportation Professional of the Year** – for career achievements and involvement.
- **2012 REEP Award** – for employee excellence related to the closure and replacement of the Lake Champlain Bridge.
- **2005 AASHTO Best Practices in Context Sensitive Solutions (CSS)** – for the NYSDOT CSS Implementation Team.
- **2005 AASHTO Twenty-Five Year Service Award** – for 25 years of meritorious public service.
- **2002 Commissioner's Award of Excellence** – for efforts to improve the timeliness of payments to Contractors.
- **2002 Excellence in Engineering** – for efforts to improve the Department's Order-on-Contract process.
- **2000 Award of Recognition** – for efforts to stabilize and restore the landslide damage on Delaware Avenue in Albany.
- **1998 Excellence in Engineering** – for work efforts at the FDR Drive, Avenue "C" Viaduct project in Manhattan.

TRAINING & DEVELOPMENT:

Attended and completed a numerous training classes, seminars and continuing education courses sponsored by NYSDOT, FHWA, NHI, and other organizations. The following are several significant courses that I have completed:

- **Erosion & Sediment Control**, NYSDEC, Colonie, NY, October 2019
- **Certified Traffic Control Supervisor and Technician**, 3-day course, ATSSA, Rochester, NY, December 2015.
- **OSHA Construction Safety and Health**, 10-hour course, Colonie, NY, May 2014.
- **Intermediate Incident Command System**, 3-day course, NYS Office of Emergency Mgmt., Bethpage, NY, August 2012
- **NYSDOT Executive Leadership Institute**, 10-day course, NYSDOT, Lake George, NY, February, 2006.
- **Incident Command System**, 2-day course, NYS Office of Emergency Management, Albany, NY, March 2004.
- **National Transportation Management Conference**, 5 day course, AASHTO, Williamsburg, VA, October 1997.
- **Supervising New York State**, 5-day course, Governor's Office of Employee Relations, Albany, NY, November 1990.
- **The Technical Manager**, 2-day course, NYSDOT, September 1989.
- **Construction Contract Claims**, 3-day course, National Highway Institute, FHWA, Albany, NY, July 1988.
- **Asphalt Materials & Mix Design**, 5-day, 2-credit graduate level course, Cornell University, Ithaca, NY, October 1982.
- **Practical Application of Statistical Quality Control in Highway Construction**, 3-day course, National Highway Institute, FHWA, Albany, NY, October 1981.

PAPERS, PUBLICATIONS & PRESENTATIONS:

Authored numerous technical papers, reports and articles, and presented numerous training sessions, seminars and conference sessions pertaining to various transportation, construction management and contract administration issues, and construction projects, including many presentations at AGC-DOT Joint Technical Conferences. Formal publications, papers and significant presentations include:

- **"Replacing the Rexford Bridge – the site, the history and the bridges."**

Presented at the 79th Annual Conference, NYSATE, Tarrytown, NY, May 2019, Unpublished. Also presented at the 2018 ITE Annual Meeting and Conference, NY Upstate Section, Scotia, NY, October 2018; at the 2018 Statewide Conference on Local Bridges, Syracuse, NY, October 2018; at the 78th Annual Conference, NYSATE, Cooperstown, NY, April 2018; and, at the 29th Annual Fall Bridge Conference, ABCD, Western NY Chapter, Buffalo, NY, November 2017.

- **"The Replacement of the Lake Champlain Bridge"**

Presented as the Keynote Address at the 14th National Conference on Transportation Planning, TRB, Burlington, VT, July 2014, Unpublished. Also presented at the 2013 ASHE National Conference, Lake Placid, NY, June 2013; as the Keynote Address at the 74th Annual ASCE Mohawk-Hudson Section Annual Dinner Meeting, Latham, NY, May 2012; and, at the 72nd Annual Conference, NYSATE, Syracuse, NY, May 2012.

- **"The Lake Champlain Bridge: Responding to Public Need at Warp Speed"**

Presented at the 71st Annual Conference, NYSATE, Utica, NY, June 2011, Unpublished, Co-presented with J. Boni, R. Fitzgerald, T. Potts and D. Gozalkowski.

- **"Innovative Contracting Practices: A + B Bidding and Lane Rental"**

Presented at the 56th Annual Conference, NYSATE, Kiamesha Lake, NY, March 1996, Unpublished.

- **"Partnering in New York State"**

Presented at the 55th Annual Conference, NYSATE, Buffalo, NY, March 1995, Unpublished.

- **"Bridge Deck Grooving: Sawing vs. Tining"**

Presented at the 29th Annual Concrete Paving Seminar, Concrete Paving Association of Minnesota, St. Paul, Minnesota, March 1990, Unpublished.

- **An Open Friction Course on a Portland Cement Concrete Base: A Seven Year Progress Report.**

Coauthor: W.P. Chamberlin, Research Report 135, ERDB, NYSDOT, August 1986.

- **Corrosion and Cathodic Protection of Reinforcing Steel in Concrete Bridge Decks**

Research Report 126, ERDB, NYSDOT, August 1985.

- **"Alternative Methods of Rehabilitation of Bridge Decks"**

Presented at the National Conference on Cathodic Protection of Reinforced Concrete Bridge Decks, NACE, San Antonio, Texas, February 1985, Unpublished.

- **"Cathodic Protection of a Corrosion Damaged Bridge Deck"**

Presented at the 45th Annual Conference, NYSATE, Grossingers, NY, March 1984, Unpublished.

- **Effects of Sawed-Groove Texturing on Concrete Bridge Decks**

Transportation Research Record 986, TRB, Presented at the 63rd Annual Meeting, Washington, DC, January 1984, also published as Research Report 108, ERDB, NYSDOT, September 1983.

- **Decay of Tine-Textured Grooves in Rigid Pavements**

Research Report 107, ERDB, NYSDOT, October 1983.

- **Groove-Depth Requirements for Tine-Textured Pavements**

Coauthor: W.P. Chamberlin, TRR 836, TRB, Presented at the 60th Annual Meeting, Washington, DC, January 1981, also published as Research Report 86, ERDB, NYSDOT, June 1981.

PROFESSIONAL MEMBERSHIPS:

- New York State Association of Transportation Engineers (Life Member)
- Association for Bridge Construction and Design, Eastern NY Chapter
- American Society of Highway Engineers – Albany Section
- Dispute Resolution Board Foundation